

S. Danial Naghib

Via P. Bucci, Cubo 44 A, University
of Calabria, Rende(Cs), 87036
Tel: (+39)0984496640
Cell: (+39)3457649641
Email: danial.naghib@unical.it

Education

	Ph.D. Candidate
October 2013 July 2017	Department of Chemical Engineering & Materials, University of Calabria Project title: <i>"Development of process control strategies for cell culture in bioartificial liver"</i> . Grants: Marie Curie Fellowship (ESR) Initial Training Network "BIOART - Training network for developing innovative Bio-artificial devices for treatment of kidney and liver disease".
September 2012	M.Eng. Chemical Engineering, University Technology Malaysia, Skudai, Malaysia Dissertation Title : <i>"Preparation and characterization of magnetic nanoparticles immobilized in acrylamide based hydrogel for metal extraction"</i>
October 2009	B.Sc., Chemical Engineering, University of Tehran, Tehran, Iran Dissertation Title: <i>"Fuel Contaminants and Ways of Prevention"</i>

Fields of Interests

Chemical Engineering

Process dynamics and modeling
Control System
Process Simulation
Nanoparticle Synthesis
Nanofabrication
Waste Water Treatment

Environmental Engineering

Bioartificial Devices
Bioinstrumentation
Tissue engineering
DNA sensors
Bioremediation
Nano-Bio Technology

Experiences and Responsibilities

June-July 2015	Research collaboration, University of Compiegne (France), a study in expansion properties of alginate beads as cell carrier in the fluidized bed bioartificial liver
2010-2011	Teacher Assistant in University Technology Malaysia
2009-2010	Executive Manager of Beta.Co Company
2007-2009	Cooperating with technical department of Sathrahan Co. in the fields of emulsified bitumen research and its application in asphalt recycling
November 2009	Member of the students organizing committee of "Advances in Wastewater Treatment and Reuse".
July-September 2008	Summer internship, Sazeh Co., Tehran, Iran

Publication

1. H. Karimi F.A, R. Yusof, **S.Danial Naghib**, M. Rahmani, E. Akbari, M. Ghadiri and M. T. Ahmadi,
“*Current-voltage Modeling of Graphene-based DNA Sensor*”,
Neural Computing and Applications, 2014, Springer London.
2. H. Karimi, M. T. Ahmadi, E. Khosrowabadi, R. Rahmani, M. Saeidimanesh, R. Ismail, **S. Danial Naghib**, and E.Akbari
“*Analytical prediction of liquid-gated graphene nanoscroll biosensor performance*“,
RSC Advances, 2013, Royal Society of Chemistry.
3. H. Karimi F.A, R. Yusof, **S. Danial Naghib**, M. T. Ahmadi, M. Rahmani, M.Javad,
“*Semi analytical modeling of quantum capacitance of graphene-based ion sensitive field effect transistor*”,
Journal of Computational and Theoretical Nanoscience, 2012, American Scientific Publishers.
4. **S. Danial Naghib**, A. Di Renzo a, E. Curcio, L. De Bartolo, F. P. Di Maio,
“*Comparison between a non-linear and linearized three-compartment model of a bioreactor for hepatocyte culturing*”, IFAC-Papers On Line, 2015, Elsevier.